

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for interacting with automation devices, comprising:
 - a plurality of automation devices connected to a network, the automation devices supply automation data to the network; and
 - an interface connected to the network including an interactive program and an execution engine comprising a flash player for executing the program, wherein the interactive program and the execution engine are embedded and executed from within a browser and interact with the automation device data, the interactive program embedded within the browser comprising a binding component and a presentation component, the binding component binds interactive program variables to the automation device data to update the displayed data in real time and the presentation component produces an interactive graph for a user to interact with the automation devices comprising at least one of start or stop automation devices, increase or decrease power, view information about each automation device or modify production schedule of the automation devices.
2. (Original) The system of claim 1, further comprising a data storage medium for centrally storing data relating to the plurality of automation devices.
3. (Original) The system of claim 2, wherein the browser retrieves data utilizing the interactive program from the data storage medium.
4. (Original) The system of claim 2, wherein the browser writes data utilizing the interactive program to the data storage medium.

5. (Currently amended) The system of claim 1, the binding component ~~interactive program comprising bindings that binds~~ program variables to device data such that a change in device data is immediately reflected in the program variable bound thereto.
6. (Original) The system of claim 5, wherein the interactive program comprises functions that operate on program variables to produce information desired by a user.
7. (Currently amended) The system of claim 6, wherein the ~~interactive program comprises a~~ presentation component ~~that~~ produces a multimedia presentation that is displayed on a display device.
8. (Currently amended) The system of claim 7, wherein the multimedia presentation provides data with respect to one or more automation devices and updates the data in real-time.
9. (Original) The system of claim 7 wherein the multimedia presentation provides a plurality mechanisms for transmitting data to one or more automation devices.
10. (Currently amended) An human machine interface apparatus for operating in an industrial facility comprising:
a data store;
one or more automation devices communicatively coupled to the data store *via* a network, wherein the automation devices store data in the data store; and
a browser that accesses data concerning the one or more automation devices over the network and presenting the data to a user, ~~in a rich manner~~ incorporating a plurality of multimedia effects, wherein one of the multimedia effects is an interactive graph and the user clicks and drags points on the graph to effectuate changes in a production schedule for the automation devices, the multimedia effects being incorporated in the browser *via* an embedded interactive program wherein the interactive program is executed by a flash player associated with the browser.
11. (Cancelled)

12. (Original) The apparatus of claim 11, wherein the interactive program is a flash program.
13. (Original) The apparatus of claim 11, wherein the interactive program is executed by a plugin associated with the browser.
14. (Cancelled)
15. (Cancelled)
16. (Original) The apparatus of claim 10, wherein one of the effects is a depiction of an automation device with regions highlighted in real-time upon the occurrence of an error to indicate the device region associated with the error.
17. (Currently amended) A method for interacting with automation devices comprising:
binding program variables to automation device data using an interactive program and specifying a multimedia presentation format for interaction by a user;
embedding the interactive program into a browser; ~~and~~
utilizing the browser and an associated execution engine comprising a flash player to execute the interactive program;[[.]]
producing a graphical representation of system production to interact with the automation devices and updating the displayed data in real time using the interactive program; and
clicking and dragging points on the graphical representation to effectuate changes in a production schedule for the automation devices.
18. (Original) The method of claim 17, wherein the device data is stored in a centralized data store accessible *via* a network.
19. (Original) The method of claim 17, wherein the interactive program is a flash program.

20. (Original) The method of claim 19, wherein the execution engine is a flash player.
21. (Original) An article of manufacturing comprising a computer usable medium having computer readable instructions stored thereon to perform the method of claim 17.
22. (Currently amended) A method for interacting with automation device data comprising:
- binding program variables to automation device data using an interactive program and specifying a multimedia presentation format for interaction by a user;
 - embedding the interactive program into a browser application;
 - receiving a request for automation device information from the browser application;
 - retrieving the requested automation device information from a data source utilizing an execution engine comprising a flash player associated with the browser application; ~~and~~
 - updating the browser with the requested automation device information[[]] ;
 - producing a graphical representation of system production to interact with the automation devices; and
 - clicking and dragging points on the graphical representation to effectuate changes in a production schedule for the automation devices.
23. (Original) The method of claim 22, wherein the request for information is generated by positioning a cursor over an image.
24. (Original) The method of claim 22, wherein the data source is a web page.
25. (Currently amended) The method of claim 22, wherein information is retrieved from a device controller and the information is control data.
26. (Cancelled)

27. (Original) An article of manufacturing comprising a computer usable medium having computer readable instructions stored thereon to perform the method of claim 25.
28. (Cancelled)
29. (Cancelled)
30. (New) The system of claim 1, wherein the binding component binds data corresponding to an automated device's temperature to a temperature variable in the interactive program to update the displayed temperature of the automation device in real time.
31. (New) The system of claim 6, wherein the functions provides an alert indicating health status of the automation devices.
32. (New) The system of claim 1, wherein the interactive program further displays images of the automation devices.
33. (New) The system of claim 32, wherein the images are active and a cursor, hovered over portions of the image, provides a description of the automation device or information about cause of a problem associated with the automation device.
34. (New) The system of claim 10, wherein the user modifies output of a machine by manually entering vertical production values corresponding to number of units to produce and horizontal time values corresponding to hours in a day in the interactive graph.